

CLAIMS

I claim:

1. An attachment assembly comprising:

a pair of clamping levers having a first end for fixedly attaching to a tension transmitting means, a second end for engagement with a structural member and a concavity between said ends for bearing against a fulcrum opening in a respective compressive member;

a commercially available ratcheting device;

a first said tension transmitting means terminated at first end by fixedly connecting to said structural clamping lever, and a second, free end for adjustably wrapping around drum of said commercially available ratcheting device;

a second said tension transmitting means terminated at first end by a second said structural clamping lever, and terminated at second end by fixedly attaching to the body of said commercially available ratcheting device; whereby each said structural clamping lever can be rotatably engaged respectively to a first and second fulcrum point on said compressive member to provide fine adjustment of length and the development of compressive force against respective said structural members such as windowsills and doorjambs.

2. A cover assembly for openings comprising:

a compression withstanding, structural, cover plate slightly larger than the opening it is to cover, with a plurality of marginally located fulcrum holes paired in longitudinal opposition to one another;

a plurality of ratcheting attachment assemblies according to claim 1 with their structural clamping levers inserted respectively through said paired fulcrum holes, whereby said holes are positioned as required for said structural clamping levers to generate paired moment couples about the hole as a fulcrum point for the said second end of the structural clamping levers to provide a clamping action to the corner of the said opening by clamping said corner between said structural cover and said structural clamping levers.

3. A structural brace comprising:

a structural member;

a plurality of ratcheting attachment assemblies according to claim 1;

two angle adapters attached to ends of said structural member with matching paired holes in said angles to provide fulcrum points to said structural clamping levers and corresponding guide holes for said second ends of respective structural clamping levers;

a paired plurality of opposing holes in top and bottom inside faces of opening in matched spacing with said guide holes, whereby tension applied by ratcheting attachment assembly, clamping levers is converted by fulcrums to compression, driving and holding said second ends of clamping levers through said guide hole in base leg of said angle bracket into said hole in inside wall of opening.